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Photos placed in horizontal position with even amount of white space between photos and header

TWT Complex Cavity Geometry

Submitted to R&A for UUR release. Srinivasan Arunajatesan & Katya Casper





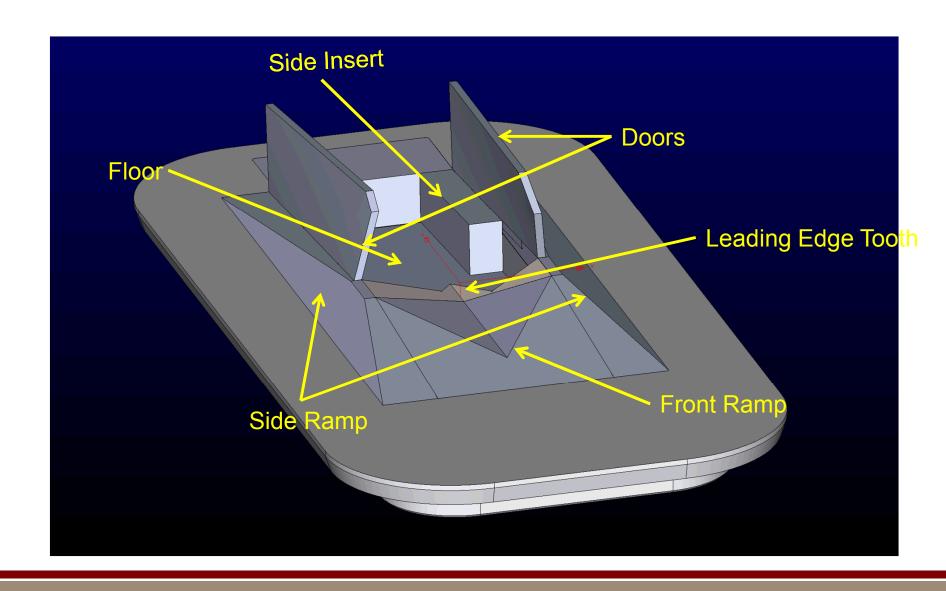
Overview



- The geometry was tested in the Sandia TWT
 - The geometry is an insert into the floor/ceiling of the wind tunnel
 - Consists of a cavity (rectangular cut-out) with some "complex" features
 - Features and dimensions are presented here.
 - Wall pressure data has already been presented at International open conferences
 - SAND Numbers: SAND2014-4372 C and SAND2014-20214 C
 - This is being used for validation purposes by international researchers
- The purpose of this document is to make the geometry available for release to such groups.

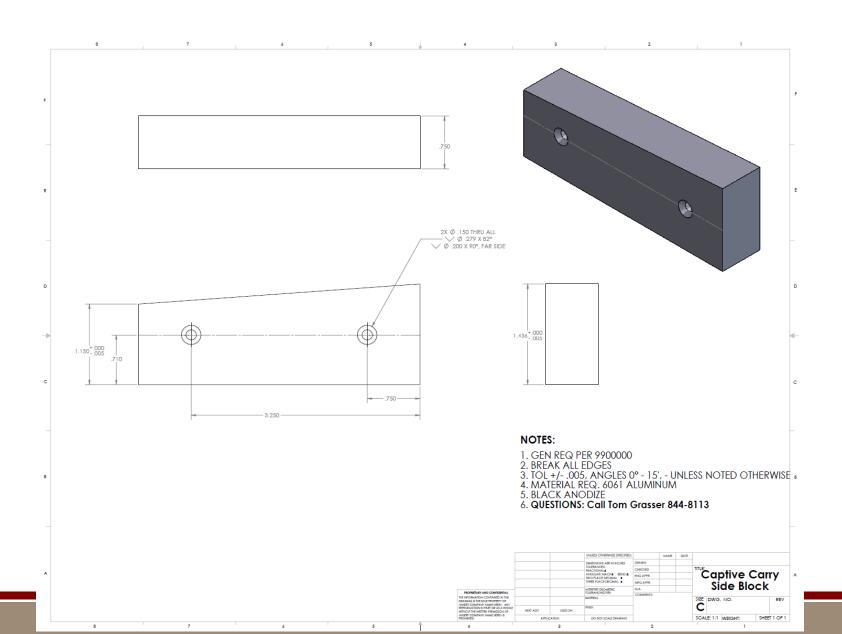
Geometry Overview





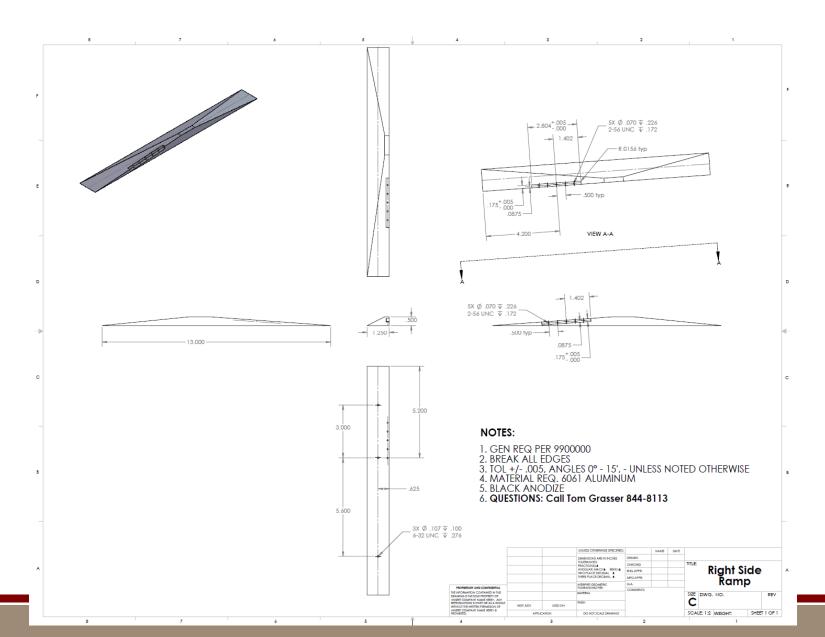
Side Insert





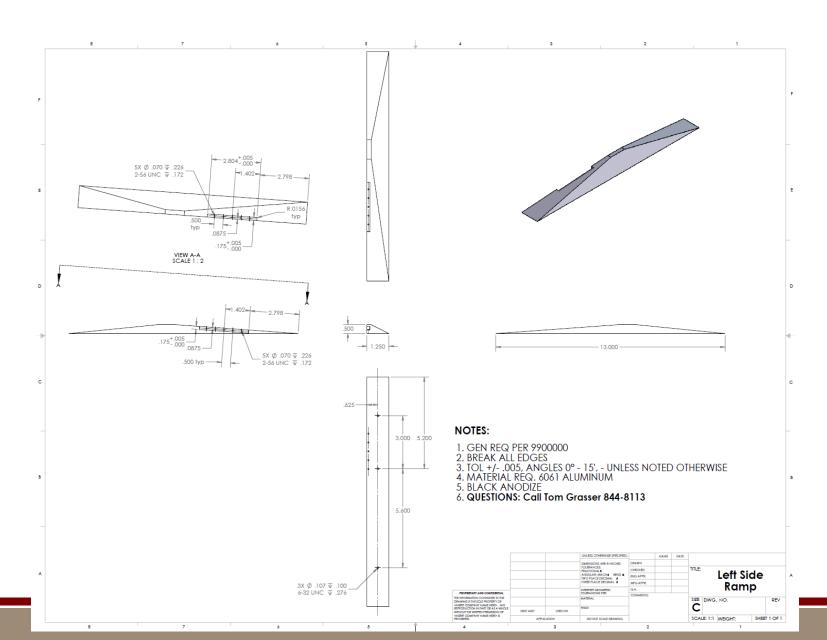
Side Ramp - Right





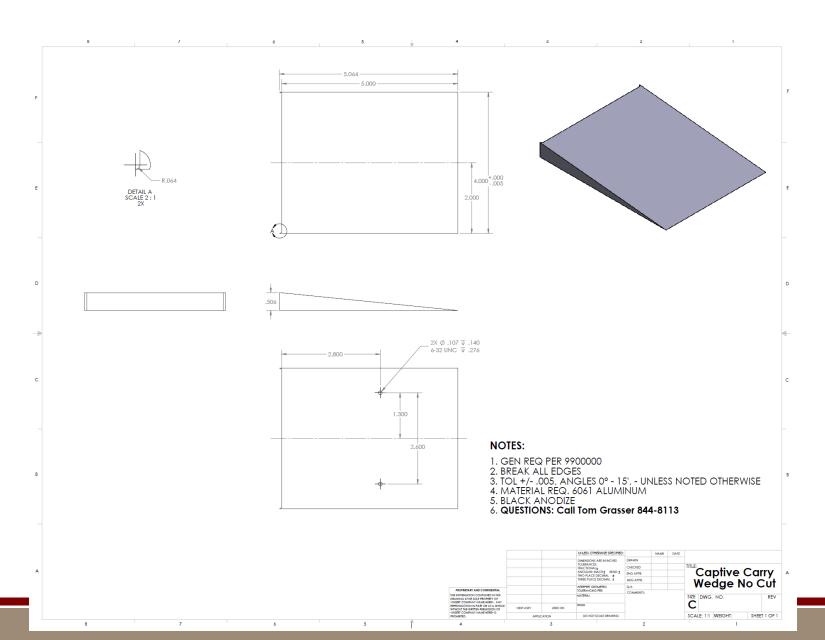
Side Ramp - Left





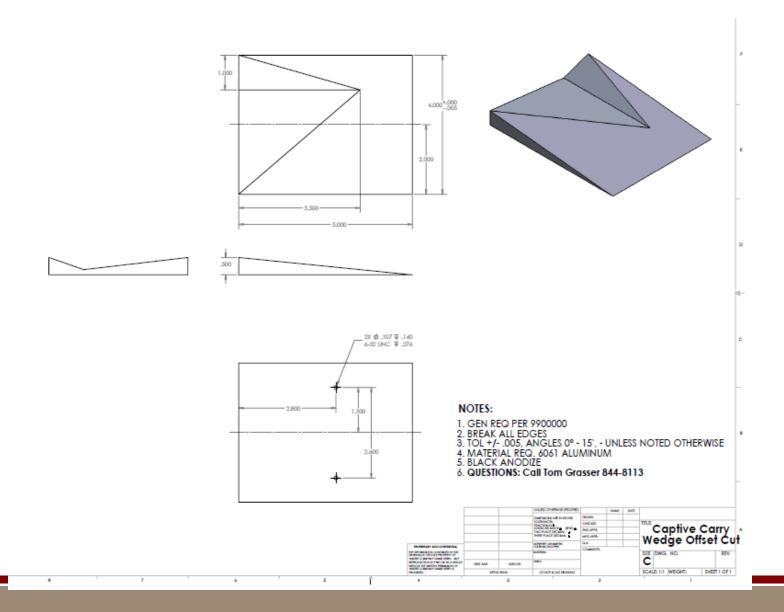
Front Ramp - Smooth





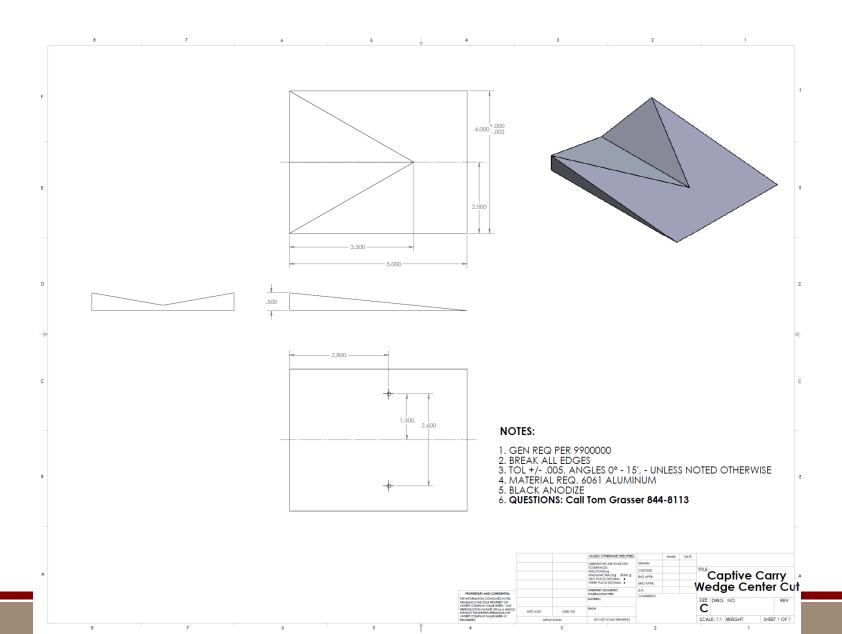
Front Ramp-offset





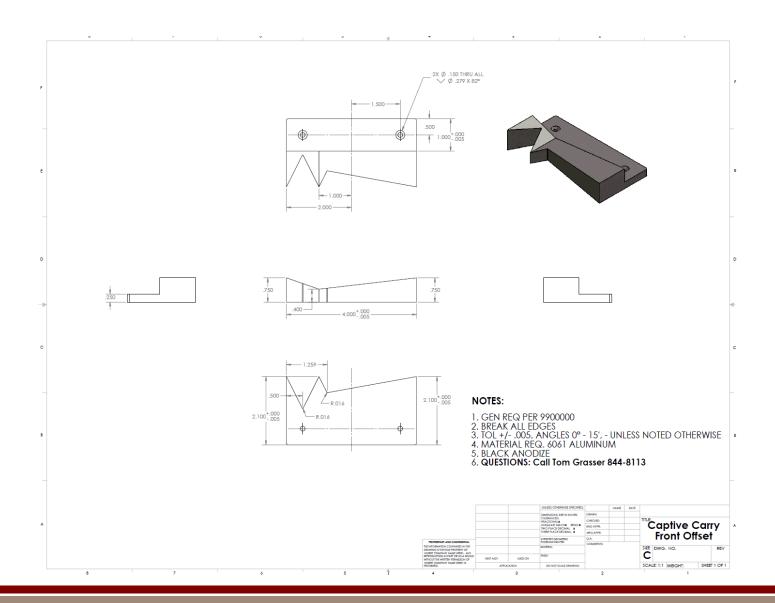
Front Ramp - Centered





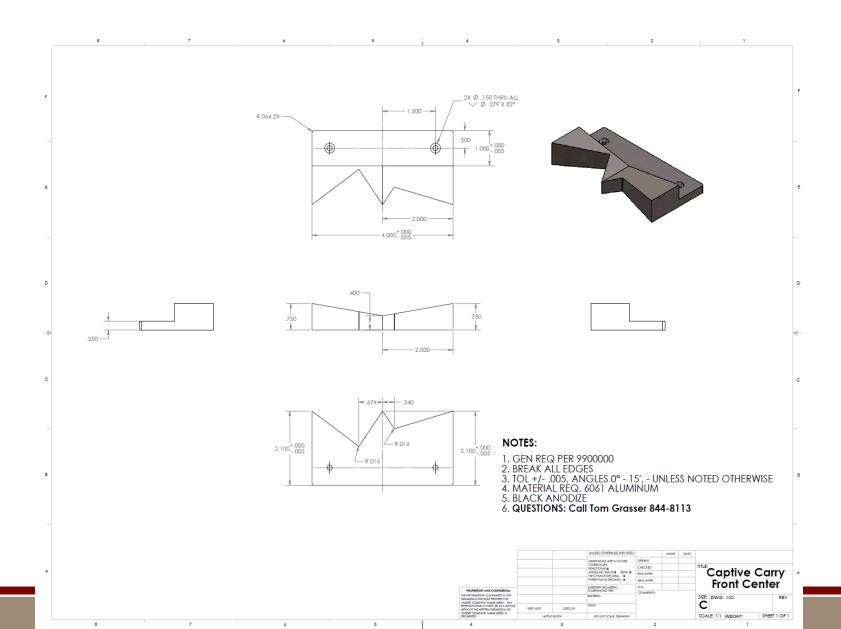
Leading Edge Tooth-Offset Version





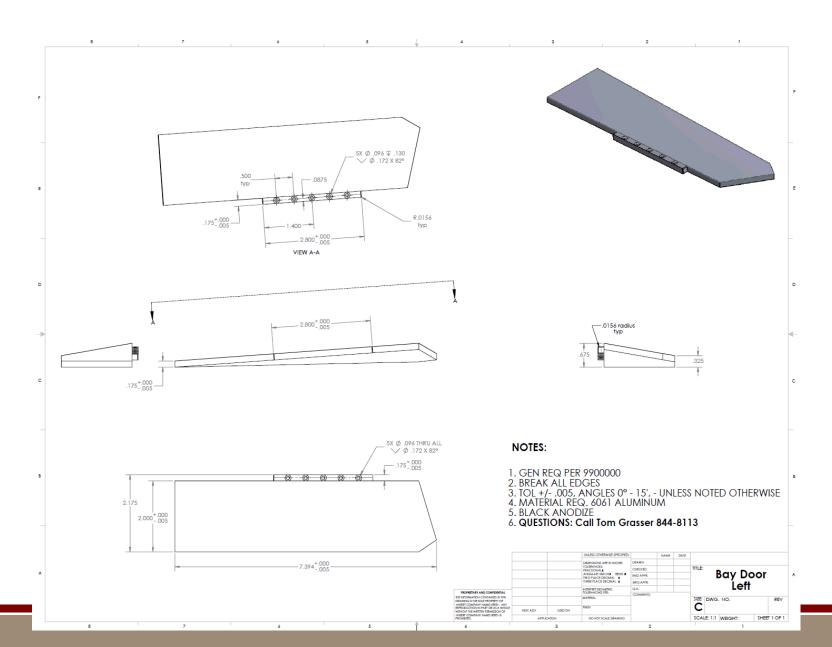
Leading Edge Tooth – Centered version Sandia National Laborator





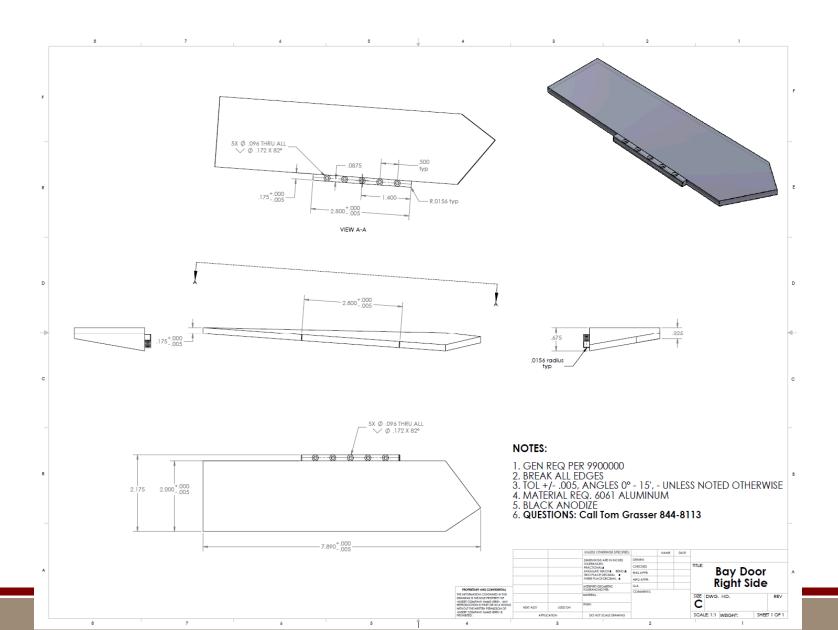
Doors - Left





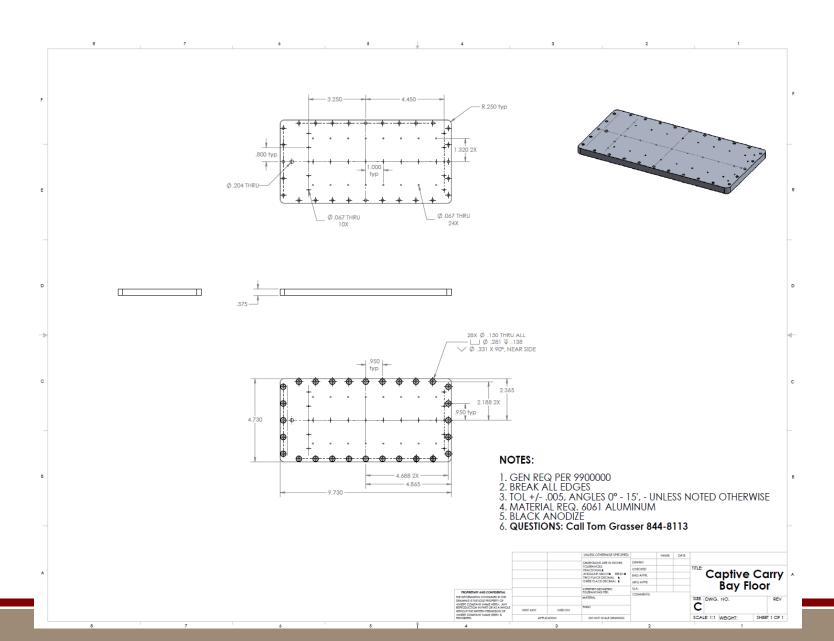
Door- Right





Floor – Flat Version





Floor – Ramped Version



